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Datasheet for ABIN2726253

## MORC3 Protein (Myc-DYKDDDDK Tag)

1 Image

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### Overview

Quantity:	20 µg
Target:	MORC3
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MORC3 protein is labelled with Myc-DYKDDDDK Tag.
Application:	Antibody Production (AbP), Standard (STD)

### Product Details

Characteristics:	<ul style="list-style-type: none"><li>• Recombinant human MORC3 protein expressed in HEK293 cells.</li><li>• Produced with end-sequenced ORF clone</li></ul>
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Purity:	> 80 % as determined by SDS-PAGE and Coomassie blue staining
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### Target Details

Target:	MORC3
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Alternative Name:	Morc3 ( <a href="#">MORC3 Products</a> )
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Background:	This gene encodes a protein that localizes to the nuclear matrix and forms nuclear bodies via an ATP-dependent mechanism. The protein is predicted to have coiled-coil and zinc finger domains and has RNA binding activity. Alternative splicing produces multiple transcript variants encoding distinct isoforms.
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Molecular Weight:	106.9 kDa
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## Target Details

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NCBI Accession: [NP\\_056173](#)

Pathways: [Maintenance of Protein Location](#)

## Application Details

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Application Notes: Recombinant human proteins can be used for:  
Native antigens for optimized antibody production  
Positive controls in ELISA and other antibody assays

Comment: The tag is located at the C-terminal.

Restrictions: For Research Use only

## Handling

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Concentration: 50 µg/mL

Buffer: 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10 % glycerol.

Storage: -80 °C

Storage Comment: Store at -80°C. Thaw on ice, aliquot to individual single-use tubes, and then re-freeze immediately. Only 2-3 freeze thaw cycles are recommended.

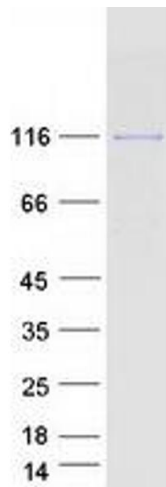
## Publications

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Product cited in: Tansley, Betteridge, Shaddick, Gunawardena, Arnold, Wedderburn, McHugh: "Calcinosis in juvenile dermatomyositis is influenced by both anti-NXP2 autoantibody status and age at disease onset." in: **Rheumatology (Oxford, England)**, Vol. 53, Issue 12, pp. 2204-8, (2014) ([PubMed](#)).

Wen, Yun, Xu, Choi, Kim, Park, Lee, Park, Lee, Park: "A highly facile and specific assay for cancer-causing isocitrate dehydrogenase mutant using <sup>13</sup>C4-labeled α-ketoglutarate and heteronuclear NMR." in: **Analytical chemistry**, Vol. 85, Issue 24, pp. 11987-92, (2014) ([PubMed](#)).

Yang, Lin, Robertson, Wang: "Dual vulnerability of TDP-43 to calpain and caspase-3 proteolysis after neurotoxic conditions and traumatic brain injury." in: **Journal of cerebral blood flow and metabolism : official journal of the International Society of Cerebral Blood Flow and Metabolism**, Vol. 34, Issue 9, pp. 1444-52, (2014) ([PubMed](#)).



### Western Blotting

**Image 1.** Validation with Western Blot